

## ABSTRACT OF THE DISCLOSURE

An array substrate includes a transparent substrate, an organic insulation layer, a pixel electrode, a reflective layer, a light blocking pattern and a switching part.

- 5 The transparent substrate includes a reflective window that reflects an ambient light and a transmissive window that transmits an artificial light. The organic insulation layer disposed over the transparent substrate becomes thinner gradually at a boundary between the transmissive window and the reflective window. The pixel electrode is formed in the transmissive region. The reflective layer is disposed over
- 10 the organic insulation layer of the reflective window. The light blocking pattern is disposed at the boundary between the transmissive and reflective windows to prevent a light leakage. The switching part is electrically connected to the pixel electrode to apply an image signal to the pixel electrode. Therefore, a light leakage occurring at boundary is prevented by the light blocking pattern.